EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	653	548/530.ccls.	US-PGPUB; USPAT	OR	OFF	2006/07/21 13:01
L2	250	548/530.ccls. and 514/423.ccls.	US-PGPUB; USPAT	OR	OFF	2006/07/21 13:28
L3	36	548/530.ccls. and 514/423.ccls. and 514/424.ccls.	US-PGPUB; USPAT	OR	OFF	2006/07/21 13:28
L4	4	548/530.ccls. and 514/423.ccls. and 514/424.ccls. and pyrrolidinone	US-PGPUB; USPAT	OR	OFF	2006/07/21 13:29
L5	25	548/530.ccls. and 514/423.ccls. and pyrrolidinone	US-PGPUB; USPAT	OR	OFF	2006/07/21 13:29
L6	25	548/530.ccls. and 514/423.icls. and pyrrolidinone	US-PGPUB; USPAT	OR	OFF	2006/07/21 13:29
S1	1	("4379785").PN.	USPAT; USOCR	OR	OFF	2006/07/21 13:01
S2	1	("5264449").PN.	USPAT; USOCR	OR	OFF	2006/07/21 11:09

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Welcome to STN International! Enter x:x

LOGINID:ssspta sel1626

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS 4	APR 04	STN AnaVist $500 visualization usage credit offered
NEWS 5	MAY 10	CA/CAplus enhanced with 1900-1906 U.S. patent records
NEWS 6	MAY 11	KOREAPAT updates resume
NEWS 7	MAY 19	Derwent World Patents Index to be reloaded and enhanced
NEWS 8	MAY 30	IPC 8 Rolled-up Core codes added to CA/CAplus and USPATFULL/USPAT2
NEWS 9	MAY 30	The F-Term thesaurus is now available in CA/CAplus
NEWS 10	JUN 02	The first reclassification of IPC codes now complete in INPADOC
NEWS 11	JUN 26	TULSA/TULSA2 reloaded and enhanced with new search and and display fields
NEWS 12	JUN 28	Price changes in full-text patent databases EPFULL and PCTFULL
NEWS 13	JUl 11	CHEMSAFE reloaded and enhanced
NEWS 14	JUl 14	FSTA enhanced with Japanese patents
NEWS 15	JUl 19	Coverage of Research Disclosure reinstated in DWPI

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8
NEWS X25	X.25 communication option no longer available

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* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 10:21:50 ON 21 JUL 2006

=> fil reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 10:22:04 ON 21 JUL 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 19 JUL 2006 HIGHEST RN 894691-89-5
DICTIONARY FILE UPDATES: 19 JUL 2006 HIGHEST RN 894691-89-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

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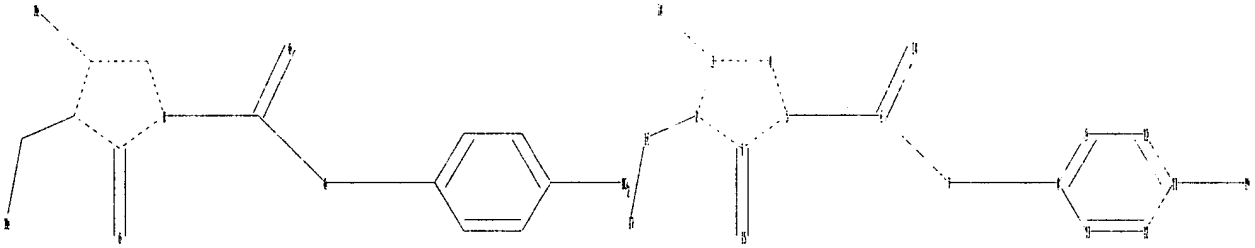
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading C:\Program Files\Stnexp\Queries\10501743cl51.str



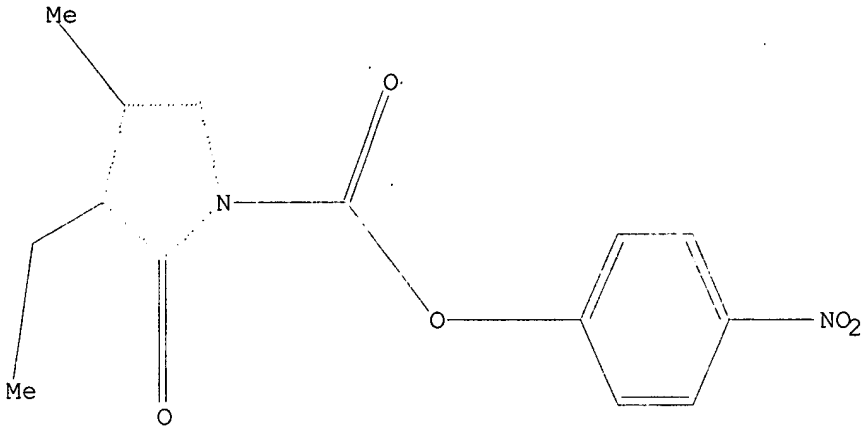
chain nodes :
6 7 14 15 16 17 18 19
ring nodes :
1 2 3 4 5 8 9 10 11 12 13
chain bonds :
1-15 2-16 3-18 5-6 6-7 6-14 7-8 11-19 16-17
ring bonds :
1-2 1-5 2-3 3-4 4-5 8-9 8-13 9-10 10-11 11-12 12-13
exact/norm bonds :
1-2 1-5 1-15 2-3 3-4 4-5 5-6 6-7 6-14 7-8
exact bonds :
2-16 3-18 11-19 16-17
normalized bonds :
8-9 8-13 9-10 10-11 11-12 12-13

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
19:CLASS

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 10:22:19 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 3 TO ITERATE

100.0% PROCESSED 3 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 3 TO 163
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full
FULL SEARCH INITIATED 10:22:22 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 44 TO ITERATE

100.0% PROCESSED 44 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

L3 1 SEA SSS FUL L1

=> fil caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY 166.94 TOTAL SESSION 167.15
FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 10:22:25 ON 21 JUL 2006
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strictly prohibited.

FILE COVERS 1907 - 21 Jul 2006 VOL 145 ISS 5
FILE LAST UPDATED: 20 Jul 2006 (20060720/ED)

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They are available for your review at:

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=> s l3
L4   1 L3

=> d ibib abs hitstr tot

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:551308 CAPLUS
DOCUMENT NUMBER: 139:101018
TITLE: Preparation of trans-3-ethyl-2,5-dihydro-4-methyl-N-[2-[4-[[[[(4-methylcyclohexyl)amino]carbonyl]amino]sulfonyl]phenyl]ethyl]-2-oxo-1H-pyrrole-1-carboxamide (glimepiride) from 3-ethyl-4-methyl-3-pyrrolidin-2-one, 4-nitrophenyl chloroformate, 4-(2-aminoethyl)benzenesulfonamide, and trans-4-methylcyclohexyl isocyanate.
INVENTOR(S): Thennati, Rajamannar; Rehani, Rajeev Budhdev; Soni, Rohit Ravikant
PATENT ASSIGNEE(S): Sun Pharmaceutical Industries Limited, India
SOURCE: PCT Int. Appl., 35 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003057131	A2	20030717	WO 2003-IN4	20030106
WO 2003057131	A3	20030828		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003235814	A1	20030724	AU 2003-235814	20030106
US 2005070593	A1	20050331	US 2004-501743	20040630
PRIORITY APPLN. INFO.:			IN 2002-MU9	A 20020107
			WO 2003-IN4	W 20030106

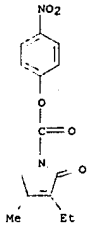
OTHER SOURCE(S): CASREACT 139:101018; MARPAT 139:101018

AB Glimepiride was prepared by successive treatment of 3-ethyl-4-methyl-3-pyrrolidin-2-one with XCOZR [X = halo, nitroaryl, haloaryl; Z = O, S, NY; Y = alkyl, haloalkyl, aralkyl; R = (substituted) aryl, heteroaryl], 4-(2-aminoethyl)benzenesulfonamide, and trans-4-methylcyclohexyl isocyanate.

IT 561052-28-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of glimepiride from ethylmethylpyrrolidinone, nitrophenyl chloroformate, aminoethylbezenesulfonamide, and methylcyclohexyl isocyanate)

RN 561052-28-6 CAPLUS
CN 1H-Pyrrole-1-carboxylic acid, 3-ethyl-2,5-dihydro-4-methyl-2-oxo-, 4-nitrophenyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



=> fil reg
COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION
FULL ESTIMATED COST | 5.57 | 172.72

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION
CA SUBSCRIBER PRICE | -0.75 | -0.75

FILE 'REGISTRY' ENTERED AT 10:22:37 ON 21 JUL 2006
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STRUCTURE FILE UPDATES: 19 JUL 2006 HIGHEST RN 894691-89-5
DICTIONARY FILE UPDATES: 19 JUL 2006 HIGHEST RN 894691-89-5

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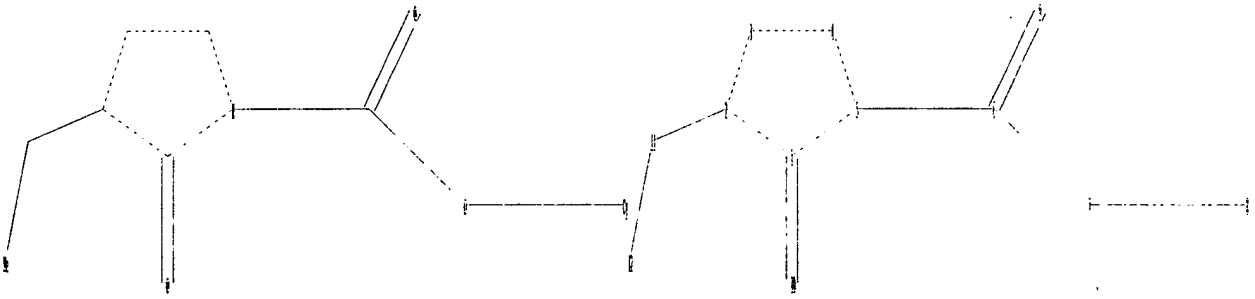
REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading C:\Program Files\Stnexp\Queries\10501743e.str

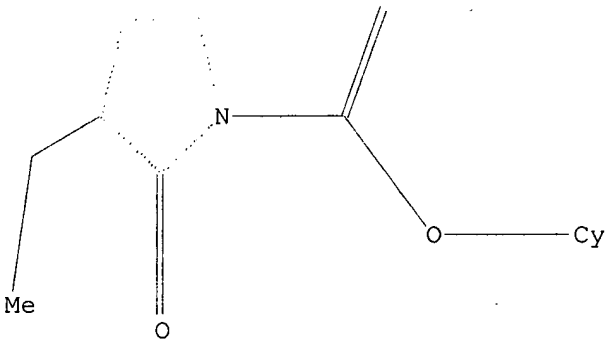


chain nodes :
6 7 8 9 10 11 12
ring nodes :
1 2 3 4 5
chain bonds :
1-10 2-11 5-6 6-7 6-9 7-8 11-12
ring bonds :
1-2 1-5 2-3 3-4 4-5
exact/norm bonds :
1-2 1-5 1-10 2-3 3-4 4-5 5-6 6-7 6-9 7-8
exact bonds :
2-11 11-12

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:Atom 9:CLASS 10:CLASS
11:CLASS 12:CLASS

L5 STRUCTURE UPLOADED

=> d
L5 HAS NO ANSWERS
L5 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l5
SAMPLE SEARCH INITIATED 10:23:37 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 76 TO ITERATE

100.0% PROCESSED 76 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 997 TO 2043
PROJECTED ANSWERS: 0 TO 0

L6 0 SEA SSS SAM L5

=> s l5 full
FULL SEARCH INITIATED 10:23:41 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1564 TO ITERATE

100.0% PROCESSED 1564 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.01

L7 2 SEA SSS FUL L5

=> fil caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 167.38 340.10

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.75

FILE 'CAPLUS' ENTERED AT 10:23:43 ON 21 JUL 2006
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FILE COVERS 1907 - 21 Jul 2006 VOL 145 ISS 5
FILE LAST UPDATED: 20 Jul 2006 (20060720/ED)

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http://www.cas.org/infopolicy.html

=> s l7
L8 2 L7

=> d ibib abs hitstr tot

L8 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:551308 CAPLUS
DOCUMENT NUMBER: 139:101018
TITLE: Preparation of trans-3-ethyl-2,5-dihydro-4-methyl-N-[2-[4-[[[[(4-methylcyclohexyl)amino]carbonyl]amino]sulfonyl]phenyl]ethyl]-2-oxo-1H-pyrrole-1-carboxamide (glimepiride) from 3-ethyl-4-methyl-3-pyrrolidin-2-one, 4-nitrophenyl chloroformate, 4-(2-aminoethyl)bezenesulfonamide, and trans-4-methylcyclohexyl isocyanate.
INVENTOR(S): Thennati, Rajamannar; Rehani, Rajeev Budhdev; Soni, Rohit Ravikant
PATENT ASSIGNEE(S): Sun Pharmaceutical Industries Limited, India
SOURCE: PCT Int. Appl., 35 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003057131	A2	20030717	WO 2003-IN4	20030106
WO 2003057131	A3	20030828		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003235814	A1	20030724	AU 2003-235814	20030106
US 2005070593	A1	20050331	US 2004-501743	20040630
PRIORITY APPLN. INFO.:			IN 2002-MU9 A	20020107
			WO 2003-IN4 W	20030106

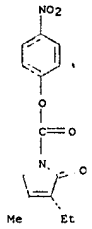
OTHER SOURCE(S): CASREACT 139:101018; MARPAT 139:101018

AB Glimepiride was prepared by successive treatment of 3-ethyl-4-methyl-3-pyrrolidin-2-one with XCOZR [X = halo, nitroaryl, haloaryl; Z = O, S, NY; Y = alkyl, haloalkyl, aralkyl; R = (substituted) aryl, heteroaryl], 4-(2-aminoethyl)benzenesulfonamide, and trans-4-methylcyclohexyl isocyanate.

IT 561052-28-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of glimepiride from ethylmethylpyrrolidinone, nitrophenyl chloroformate, aminoethylbezenesulfonamide, and methylcyclohexyl isocyanate)

RN 561052-28-6 CAPLUS
CN 1H-Pyrrole-1-carboxylic acid, 3-ethyl-2,5-dihydro-4-methyl-2-oxo-, 4-nitrophenyl ester (9CI) (CA INDEX NAME)

L8 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



L8 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1991:632242 CAPLUS
DOCUMENT NUMBER: 115:232242
TITLE: Preparation of pilocarpine analogs as antiglaucoma agents
INVENTOR(S): Albaugh, Pamela
PATENT ASSIGNEE(S): Allergan, Inc., USA
SOURCE: Eur. Pat. Appl., 24 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 429232	A1	19910529	EP 1990-312351	19901113
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
US 5264449	A	19931123	US 1989-434929	19891113
CA 2027604	AA	19910514	CA 1990-2027604	19901015
ZA 9008386	A	19910828	ZA 1990-8386	19901019
IL 96088	A1	19950330	IL 1990-96088	19901023
AU 9066528	A1	19910516	AU 1990-66528	19901109
AU 631025	B2	19921112		
NO 9004901	A	19910514	NO 1990-4901	19901112
NO 177056	B	19950403		
NO 177056	C	19950712		
RU 2015978	C1	19940715	RU 1990-4831750	19901112
CN 1051730	A	19910529	CN 1990-109110	19901113
CN 1026589	B	19941116		
JP 03188075	A2	19910816	JP 1990-308428	19901113
HU 56360	A2	19910828	HU 1990-7116	19901113
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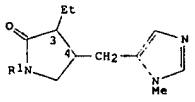
PRIORITY APPLN. INFO.:			US 1989-434929 A	19891113

OTHER SOURCE(S): MARPAT 115:232242

GI



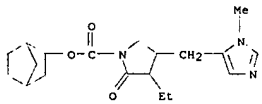
I

AB The title compds. [(3R, 4R)-I; R1 = CO2R; R = (un)substituted hydrocarbyl] were prepared Thus, 4-(Me3C)C6H4CH2OH was condensed with ClCO2C6H4(NO2)-4 and the product condensed with I (R1 = H) to give I (R1 = CH2C6H4(CMe3)-4] which gave .apprx.1.25 mm decrease in rabbit pupil diameter 6 h after administration of a 1% solution An ophthalmic prepn comprising I is given.

IT 137140-89-7P

L8 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as antiglaucoma agent)

RN 137140-89-7 CAPLUS
CN 1-Pyrrolidinecarboxylic acid, 3-ethyl-4-[(1-methyl-1H-imidazol-5-yl)methyl]-2-oxo-, bicyclo[2.2.1]hept-2-yl ester (9CI) (CA INDEX NAME)



=> fil reg
COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION
FULL ESTIMATED COST | 10.68 | 350.78

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION
CA SUBSCRIBER PRICE | -1.50 | -2.25

FILE 'REGISTRY' ENTERED AT 10:24:05 ON 21 JUL 2006

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 19 JUL 2006 HIGHEST RN 894691-89-5
DICTIONARY FILE UPDATES: 19 JUL 2006 HIGHEST RN 894691-89-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

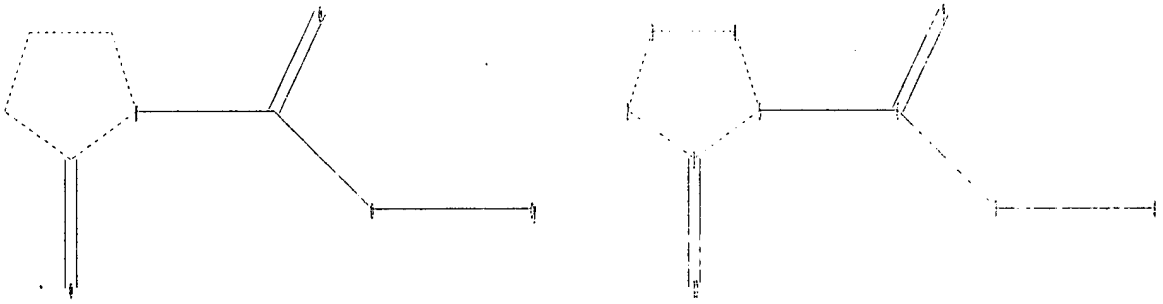
TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading C:\Program Files\Stnexp\Queries\10501743f.str

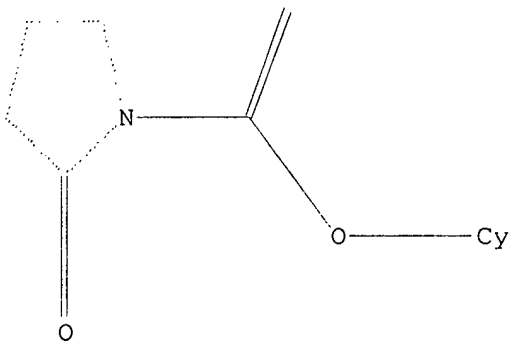


chain nodes :
6 7 8 9 10
ring nodes :
1 2 3 4 5
chain bonds :
1-10 5-6 6-7 6-9 7-8
ring bonds :
1-2 1-5 2-3 3-4 4-5
exact/norm bonds :
1-2 1-5 1-10 2-3 3-4 4-5 5-6 6-7 6-9 7-8

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:Atom 9:CLASS 10:CLASS

L9 STRUCTURE UPLOADED

=> d
L9 HAS NO ANSWERS
L9 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l9
SAMPLE SEARCH INITIATED 10:24:37 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 421 TO ITERATE

100.0% PROCESSED 421 ITERATIONS 6 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 7189 TO 9651
PROJECTED ANSWERS: 6 TO 266

L10 6 SEA SSS SAM L9

=> s l9 full
FULL SEARCH INITIATED 10:24:40 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 8623 TO ITERATE

100.0% PROCESSED 8623 ITERATIONS 163 ANSWERS
SEARCH TIME: 00.00.01

L11 163 SEA SSS FUL L9

=> fil caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	166.94	517.72

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION

CA SUBSCRIBER PRICE 0.00 -2.25

FILE 'CAPLUS' ENTERED AT 10:24:42 ON 21 JUL 2006
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FILE COVERS 1907 - 21 Jul 2006 VOL 145 ISS 5
FILE LAST UPDATED: 20 Jul 2006 (20060720/ED)

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http://www.cas.org/infopolicy.html

=> s l11
L12 82 L11

=> fil reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.46	518.18

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.25

FILE 'REGISTRY' ENTERED AT 10:24:52 ON 21 JUL 2006
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 19 JUL 2006 HIGHEST RN 894691-89-5
DICTIONARY FILE UPDATES: 19 JUL 2006 HIGHEST RN 894691-89-5

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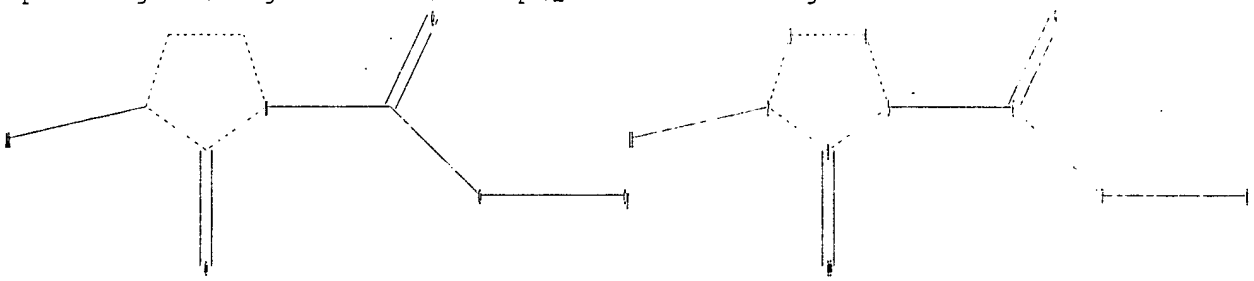
TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading C:\Program Files\Stnexp\Queries\10501743g.str

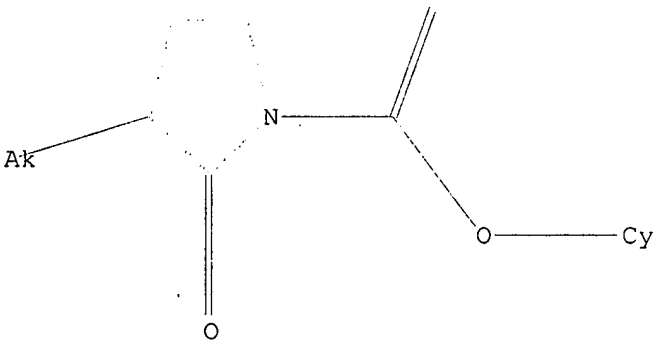


chain nodes :
6 7 8 9 10 11
ring nodes :
1 2 3 4 5
chain bonds :
1-10 2-11 5-6 6-7 6-9 7-8
ring bonds :
1-2 1-5 2-3 3-4 4-5
exact/norm bonds :
1-2 1-5 1-10 2-3 2-11 3-4 4-5 5-6 6-7 6-9 7-8

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:Atom 9:CLASS 10:CLASS
11:CLASS

L13 STRUCTURE UPLOADED

=> d
L13 HAS NO ANSWERS
L13 STR



Structure attributes must be viewed using STN Express query preparation.

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=> s l13
SAMPLE SEARCH INITIATED 10:25:25 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      421 TO ITERATE

100.0% PROCESSED      421 ITERATIONS                                3 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         7189 TO     9651
PROJECTED ANSWERS:               3 TO      163

L14           3 SEA SSS SAM L13

=> s l13 full
FULL SEARCH INITIATED 10:25:28 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     8623 TO ITERATE

100.0% PROCESSED     8623 ITERATIONS                               19 ANSWERS
SEARCH TIME: 00.00.01

L15          19 SEA SSS FUL L13

=> fil caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   166.94     685.12

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00      -2.25

FILE 'CAPLUS' ENTERED AT 10:25:30 ON 21 JUL 2006
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FILE COVERS 1907 - 21 Jul 2006  VOL 145 ISS 5
FILE LAST UPDATED: 20 Jul 2006  (20060720/ED)

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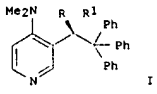
=> s l15
L16          13 L15

=> d ibib abs hitstr tot
```

L16 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:1342994 CAPLUS
DOCUMENT NUMBER: 144:232895
TITLE: Enantioselective TADMAP-Catalyzed Carboxyl Migration Reactions for the Synthesis of Stereogenic Quaternary Carbon
AUTHOR(S): Shaw, Scott A.; Aleman, Pedro; Christy, Justin; Kampf, Jeff W.; Va, Porino; Vedejs, Edwin
CORPORATE SOURCE: Department of Chemistry, University of Michigan, Ann Arbor, MI, 48109, USA
SOURCE: Journal of the American Chemical Society (2006), 128(3), 925-934
CODEN: JACSAT; ISSN: 0002-7863
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 144:232895
GI

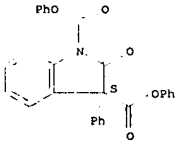


I

AB Nonracemic triphenylacetoxyethyldimethylaminopyridines I (R = H, AcO; R1 = AcO, H) (TADMAP) and their racemate are prepared; I (R = H, AcO; R1 = AcO, H) are used as catalysts in the rearrangement of oxazolyl, benzofuranyl, furanyl, and indolyl enol carbonates to yield nonracemic azlactones, lactams and lactones. Lithium-bromine exchange of 3-bromo-4-(dimethylamino)pyridine, addition of the pyridinyllithium reagent to triphenylacetaldehyde (prepared by reduction of triphenylacetic acid and selective oxidation), and quenching of the intermediate alkoxide by acetylation with acetic anhydride yields the racemate of I (R = H, AcO; R1 = AcO, H); the concentration, inverse addition procedure, temperature control during addition, and quench with acetic anhydride rather than water are important in obtaining good yields of the racemate of I (R = H; R1 = AcO) from the addition reaction and of avoiding fragmentation of the intermediate lithium alkoxide to a pyridinecarboxaldehyde and triphenylmethyllithium. Resolution of the racemate of I with (+)- and (-)-camphorsulfonic acid provides both enantiomers of I (R = H, AcO; R1 = AcO, H). I (R = H, AcO; R1 = AcO, H) are effective catalysts for enantioselective rearrangements of oxazolyl, furanyl, and benzofuranyl enol carbonates with good to excellent enantioselectivities; the corresponding rearrangements of indolyl enol carbonates in the presence of I (R = H, AcO; R1 = AcO, H) are relatively slow and proceed with inconsistent enantioselectivities. Rearrangements of oxazolyl enol carbonates are especially efficient and are used to prepare chiral lactams and lactones containing quaternary asym. carbon atoms. The

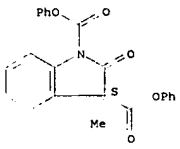
L16 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
crystal structures of the monoethanol solvate of the di-O-benzoyl-L-tartaric acid salt of I (R = AcO; R1 = H) and of a bromophenyl oxofurancarboxylate are detd. by X-ray crystallog. Modeling studies (B3LYP/6-31G*) are used for qual. correlations of catalyst conformation, reactivity, and enantioselectivity. 3-Methylindole (used to prep. indolyl enol carbonates) has a strong fecal odor and should be handled with caution.
IT 627877-90-1P 876337-66-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of nonracemic oxindoles by enantioselective rearrangements of indolyl enol carbonates in the presence of a nonracemic trityl-substituted dimethylaminopyridinemethanol)
RN 627877-90-1 CAPLUS
CN 1H-Indole-1,3-dicarboxylic acid, 2,3-dihydro-2-oxo-3-phenyl-, diphenyl ester, (3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 876337-66-5 CAPLUS
CN 1H-Indole-1,3-dicarboxylic acid, 2,3-dihydro-3-methyl-2-oxo-, diphenyl ester, (3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



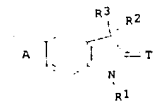
REFERENCE COUNT: 110 THERE ARE 110 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 2 OF 13 CAPLUS - COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:1235760 CAPLUS
DOCUMENT NUMBER: 144:6787
TITLE: Pyrrolobenzimidazolones and their use as antiproliferative agents
INVENTOR(S): McConnel, Darryl; Steurer, Steffen; Krist, Bernd; Weyer-Czernilofsky, Ulrike; Impagnatiello, Maria; Treu, Matthias; Kauffmann-Hefner, Iris; Garin-Chesa, Pilar; Schnapp, Andreas
PATENT ASSIGNEE(S): Boehringer Ingelheim International G.m.b.H., Germany
SOURCE: Eur. Pat. Appl., 59 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

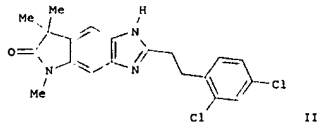
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1598353	A1	20051123	EP 2004-11703	20040517
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
WO 2005111040	A1	20051124	WO 2005-EP52200	20050513
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2005261350	A1	20051124	US 2005-130542	20050517
PRIORITY APPLN. INFO.:			EP 2004-11703 A	20040517

GI

L16 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

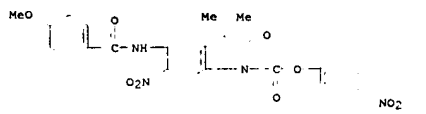


I



II

AB Title compds. I [R1 = (un)substituted alkyl, carbocyclic aryl, biarylalkyl, etc.; R2 and R3 independently = H, (un)substituted alkyl, and cycloalkyl, or R2 and R3 together form a spiroalkyl group; A = (un)substituted imidazole ring; T = O, S, or two H atoms], and their pharmaceutically acceptable salts, are prepared and disclosed as tubulin inhibitors. Thus, e.g, II was prepared by reaction of 5-amino-1,3,3-trimethyl-6-nitro-1,3-dihydroindol-2-one (preparation given) with 3-(2,4-dichlorophenyl)propionyl chloride followed by reductive cyclization. In in vitro tubulin polymerization assays, most of I were determined to be inhibitors. I are suitable for the treatment of diseases characterized by excessive or abnormal cell proliferation and the use thereof for preparing a pharmaceutical composition
IT 869846-82-2P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of pyrrolobenzimidazolones and their use as antiproliferative agents)
RN 869846-82-2 CAPLUS
CN 1H-Indole-1-carboxylic acid, 2,3-dihydro-5-[(4-methoxybenzoyl)amino]-3,3-dimethyl-6-nitro-2-oxo-, 4-nitrophenyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS

L16 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

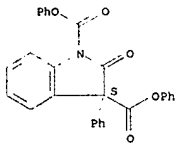
L16 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2003:797111 CAPLUS
DOCUMENT NUMBER: 140:4940
TITLE: Development of Chiral Nucleophilic Pyridine Catalysts: Applications in Asymmetric Quaternary Carbon Synthesis
AUTHOR(S): Shaw, Scott A.; Aleman, Pedro; Vedejs, Edwin
CORPORATE SOURCE: Department of Chemistry, University of Michigan, Ann Arbor, MI, 48109, USA
SOURCE: Journal of the American Chemical Society (2003), 125(44), 13368-13369
CODEN: JACSAT; ISSN: 0002-7863
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 140:4940

AB 2,2,2-Triphenyl-1-acetoxyethyl(dimethylamino)pyridine (TADMAP), bearing a C(3)-benzylic trityl group over one face of the pyridine ring with a C(3)-benzylic acetoxy group creating a chirotopic environment on the other face, was designed as a chiral ligand and prepared in four steps (37% overall) from triphenylacetic acid and (dimethylamino)pyridine. TADMAP catalyzes the enantioselective rearrangement of heterocyclic enol carbonates to lactone- or lactam-based esters, e.g. oxazolyl carbonates to azlactones, furanyl Ph carbonate to the 3-phenoxycarbonyl 2-furanone, benzofuranyl carbonates to benzofuranones, and indolyl carbonates to oxindoles. These products are formed in good yields and, in most cases, with practical levels of enantiomeric excess at the newly formed quaternary carbon center. Crystal structure of the complex of (S)-TADMAP with (L)-dibenzoyltartaric acid is also reported.

IT 627877-90-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(asym. synthesis of lactone and lactam-based esters via enantioselective rearrangement/acyl migration of heterocyclic enol carbonates catalyzed by chiral triphenylacetoxyethyl(dimethylamino)pyridine)

RN 627877-90-1 CAPLUS
CN 1H-Indole-1,3-dicarboxylic acid, 2,3-dihydro-2-oxo-3-phenyl-, diphenyl ester, (3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 66 THERE ARE 66 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

L16 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

L16 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2003:551308 CAPLUS
DOCUMENT NUMBER: 139:101018
TITLE: Preparation of trans-3-ethyl-2,5-dihydro-4-methyl-N-[2-{4-[[[[(4-methylcyclohexyl)amino]carbonyl]amino]sulfonyl]phenyl]ethyl]-2-oxo-1H-pyrrole-1-carboxamide (glimepiride) from 3-ethyl-4-methyl-3-pyrrolidin-2-one, 4-nitrophenyl chloroformate, 4-(2-aminoethyl)benzenesulfonamide, and trans-4-methylcyclohexyl isocyanate.
INVENTOR(S): Thennati, Rajamannar; Rehani, Rajeev Budhdev; Soni, Rohit Ravikant
PATENT ASSIGNEE(S): Sun Pharmaceutical Industries Limited, India
SOURCE: PCT Int. Appl., 35 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003057131	A2	20030717	WO 2003-IN4	20030106
WO 2003057131	A3	20030828		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003235814	A1	20030724	AU 2003-235814	20030106
US 2005070593	A1	20050331	US 2004-501743	20040630
PRIORITY APPLN. INFO.:			IN 2002-MU9 A	20020107
			WO 2003-IN4 W	20030106

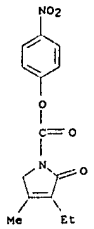
OTHER SOURCE(S): CASREACT 139:101018; MARPAT 139:101018

AB Glimepiride was prepared by successive treatment of 3-ethyl-4-methyl-3-pyrrolidin-2-one with XCOZR [X = halo, nitroaryl, haloaryl; Z = O, S, NY; Y = alkyl, haloalkyl, aralkyl; R = (substituted) aryl, heteroaryl], 4-(2-aminoethyl)benzenesulfonamide, and trans-4-methylcyclohexyl isocyanate.

IT 561052-28-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of glimepiride from ethylmethylpyrrolidinone, nitrophenyl chloroformate, aminoethylbenzenesulfonamide, and methylcyclohexyl isocyanate)

RN 561052-28-6 CAPLUS
CN 1H-Pyrrole-1-carboxylic acid, 3-ethyl-2,5-dihydro-4-methyl-2-oxo-, 4-nitrophenyl ester (9CI) (CA INDEX NAME)

L16 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



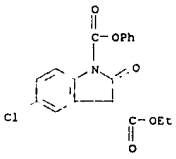
L16 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2000:529077 CAPLUS
DOCUMENT NUMBER: 133:309814
TITLE: Synthesis of 1,3-Di[alkoxy(aryloxy)carbonyl]-2-oxo-2,3-dihydroindoles
AUTHOR(S): Porcs-Makkay, M.; Argay, G.; Kalman, A.; Simig, G.
CORPORATE SOURCE: Chemical Research Division, EGIS Pharmaceuticals Ltd., Budapest, H-1475, Hung.
SOURCE: Tetrahedron (2000), 56(32), 5893-5903
CODEN: TETRAB; ISSN: 0040-4020
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 133:309814

AB Two protocols were developed for the synthesis of 1,3-di[alkoxy(aryloxy)carbonyl]-2-oxo-2,3-dihydroindoles starting from the corresponding N,O-diacyl derivs. obtained by treatment of 2-oxindoles with chloroformic acid esters and NEt3. The 1st is rearrangement of N,O-diacylated compds. in the presence of 4-dimethylaminopyridine to give N,C(3)-diacylated products with identical acyl groups in the two positions. The 2nd involves O-deacylation of the N,O-diacylated compds., followed by O-acylation and rearrangement resulting N,C(3)-diacylated 2-oxindoles with different acyl groups in the two positions.

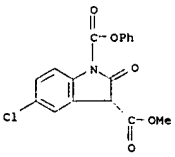
IT 301700-67-4P 301700-68-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 301700-67-4 CAPLUS
CN 1H-Indole-1,3-dicarboxylic acid, 5-chloro-2,3-dihydro-2-oxo-, 3-ethyl 1-phenyl ester (9CI) (CA INDEX NAME)



RN 301700-68-5 CAPLUS
CN 1H-Indole-1,3-dicarboxylic acid, 5-chloro-2,3-dihydro-2-oxo-, 3-methyl 1-phenyl ester (9CI) (CA INDEX NAME)

L16 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

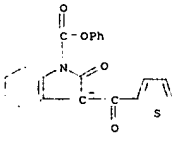
L16 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1999:757325 CAPLUS
DOCUMENT NUMBER: 132:107844
TITLE: New Practical Synthesis of Tenidap
AUTHOR(S): Porcs-Makkay, Marta; Simig, Gyula
CORPORATE SOURCE: Chemical Research Division, EGIS Pharmaceuticals Ltd., Budapest, H-1475, Hung.
SOURCE: Organic Process Research & Development (2000), 4(1), 10-16
CODEN: OPRDFK; ISSN: 1083-6160
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English

AB The development of a new, practical synthesis to tenidap is described. N,O-dialkoxy(aryloxy)carbonylation of 5-chloro-2-oxo-2,3-dihydroindole, followed by removal of the O-alkoxy(aryloxy)carbonyl group gave 1-[alkoxy(aryloxy)carbonyl]-5-chloro-2-oxo-2,3-dihydroindoles in good yields. The latter compds. were thenoylated in the 3-position. The role of DMAP in the acylation reaction is discussed. The structures of the thenoylated products and their enolate salts were investigated both in solution and solid phases. Ammonolysis of 5-chloro-3-[1-hydroxy-1-(2-thienyl)methylene]-2-oxo-1-phenoxycarbonyl-2,3-dihydroindole afforded the corresponding 1-carbamoyl derivative (tenidap) in high yield. The corresponding 1-ethoxy- and 1-methoxycarbonyl derivs. could not be similarly transformed to tenidap; loss of the alkoxycarbonyl moiety occurred instead of carbamoylation.

IT 255712-75-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(practical synthesis of tenidap)

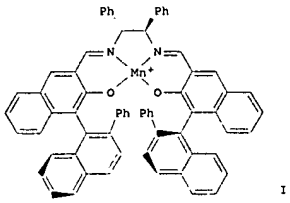
RN 255712-75-5 CAPLUS
CN 1H-Indole-1-carboxylic acid, 2,3-dihydro-2-oxo-3-(2-thienylcarbonyl)-, phenyl ester, ion(1-), ammonium (9CI) (CA INDEX NAME)



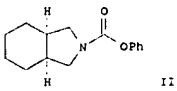
● NH_4^+

REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

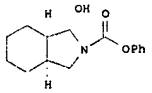
L16 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1999:476793 CAPLUS
DOCUMENT NUMBER: 131:257399
TITLE: Asymmetric desymmetrization of meso-pyrrolidine derivatives by enantiotopic selective CH hydroxylation using (salen)manganese(III) complexes
AUTHOR(S): Punniyamurthy, T.; Katsuki, Tsutomu
CORPORATE SOURCE: Department of Molecular Chemistry, Graduate School of Science, Kyushu University 33, Fukuoka, 812-8581, Japan
SOURCE: Tetrahedron (1999), 55(31), 9439-9454
CODEN: TETRAB; ISSN: 0040-4020
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 131:257399
GI



I



II

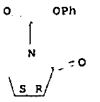


III

AB Chiral (salen)manganese(III) complexes, e.g. I·PF6-, catalyzed the asym. desymmetrization of N-protected meso-pyrrolidine derivs., e.g. II, by enantiotopic selective CH oxidation in the presence of terminal oxidant iodosylbenzene. The oxidation occurred chemoselectively at the carbon α to the nitrogen atom to afford optically active hydroxypyrrolidine derivs., e.g. III, that were further oxidized to chiral lactams with Jones reagent. The N-protecting groups of the meso-pyrrolidine derivs. have notable effect on the enantioselectivity.
IT 245037-06-3P
RL: SPN (Synthetic preparation); PREP (Preparation)

L16 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
(prepn. of optically active lactams via enantioselective hydroxylation of meso-pyrrolidines catalyzed by chiral (salen)manganese(III) complexes)
RN 245037-06-3 CAPLUS
CN 1-Pyrrolidinecarboxylic acid, 3,4-dimethyl-2-oxo-, phenyl ester, (3R,4S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



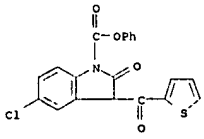
Me Me

REFERENCE COUNT: 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1997:679082 CAPLUS
DOCUMENT NUMBER: 127:318879
TITLE: Preparation of tenidap.
INVENTOR(S): Blasko, Gabor; Lukacs, Gyula; Reiter, Jozsefne; Florian, Endrene; Porcs-Makkay, Marta; Mezei, Tibor; Simig, Gyula
PATENT ASSIGNEE(S): Egis Gyogyszergyar Rt., Hung.; Blasko, Gabor; Lukacs, Gyula; Reiter, Jozsefne; Florian, Endrene; Porcs-Makkay, Marta; Mezei, Tibor; Simig, Gyula
SOURCE: PCT Int. Appl., 48 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

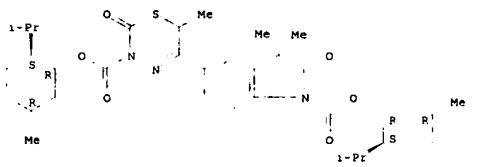
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9736895	A1	19971009	WO 1997-HU13	19970403
W: AL, AU, BB, BG, BR, CA, CN, CZ, EE, GE, IL, IS, JP, KP, KR, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9721735	A1	19971022	AU 1997-21735	19970403
PRIORITY APPLN. INFO.:			HU 1996-855	A 19960403
			WO 1997-HU13	W 19970403

OTHER SOURCE(S): CASREACT 127:318879
AB Preparation of tenidap by 4 methods is claimed. Thus, 1-phenoxycarbonyl-5-chloro-3-(2-thienoyl)-2-oxindole (preparation given) was stirred with ammonium carbonate in DMF for 5 h at 75-80° to give 80.53% tenidap.
IT 197776-11-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of tenidap)
RN 197776-11-7 CAPLUS
CN 1H-Indole-1-carboxylic acid, 5-chloro-2,3-dihydro-2-oxo-3-(2-thienylcarbonyl)-, phenyl ester (9CI) (CA INDEX NAME)



L16 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1996:697870 CAPLUS
DOCUMENT NUMBER: 126:84074
TITLE: Stereospecificity of myofibrillar calcium sensitivity and PDE inhibition in cardiotonic thiadiazoninones
AUTHOR(S): Nadler, G.; Delimoge, I.; Lahouratate, P.; Leger, I.; Morvan, M.; Zimmermann, R. G.
CORPORATE SOURCE: Unite Recherche, SmithKline Beecham Laboratoires Pharmaceutiques, Saint-Gregoire, 35762, Fr.
SOURCE: European Journal of Medicinal Chemistry (1996), 31(10), 805-812
CODEN: EJMCA5; ISSN: 0223-5234
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 126:84074
AB In pyridazinone or thiadiazinone cardiotonic agents with one chiral center, the PDE inhibitory action resides, mainly in one enantiomer and the myofibrillar calcium sensitization mainly in the other. This phenomena is observed when the chiral center is located on the pyridazinone or thiadiazinone heterocycle, but cannot be extended to structures where the chiral center is elsewhere on the mol. For the first time a stereoselective synthesis of a 5-substituted 3,6-dihydro-6-methyl-2H-1,3,4-thiadiazine-2-one has been achieved and an absolute configuration is proposed.
IT 185199-15-9P 185199-19-3P 185199-21-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; stereospecificity of myofibrillar calcium sensitivity and phosphodiesterase inhibition in cardiotonic thiadiazoninones)
RN 185199-15-9 CAPLUS
CN 1H-Indole-1-carboxylic acid, 5-[3,6-dihydro-6-methyl-3-[[[5-methyl-2-(1-methylethyl)cyclohexyl]oxy]carbonyl]-2-oxo-2H-1,3,4-thiadiazin-5-yl]-2,3-dihydro-3,3-dimethyl-2-oxo-, 5-methyl-2-(1-methylethyl)cyclohexyl ester, [1R-[1α(1R*,2S*,5R*),2β,5α]]-[partial]- (9CI) (CA INDEX NAME)

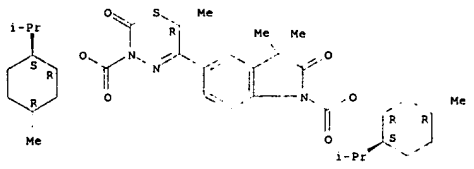
Absolute stereochemistry.



RN 185199-19-3 CAPLUS
CN 1H-Indole-1-carboxylic acid, 5-[3,6-dihydro-6-methyl-3-[[[5-methyl-2-(1-methylethyl)cyclohexyl]oxy]carbonyl]-2-oxo-2H-1,3,4-thiadiazin-5-yl]-2,3-dihydro-3,3-dimethyl-2-oxo-, 5-methyl-2-(1-methylethyl)cyclohexyl ester, [1R-[1α[R*(1R*,2S*,5R*)],2β,5α]]- (9CI) (CA INDEX NAME)

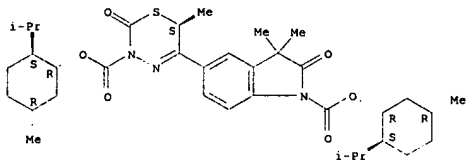
Absolute stereochemistry. Rotation (+).

L16 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



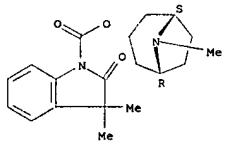
RN 185199-21-7 CAPLUS
CN 1H-Indole-1-carboxylic acid, 5-[3,6-dihydro-6-methyl-3-[[[5-methyl-2-(1-methylethyl)cyclohexyl]oxy]carbonyl]-2-oxo-2H-1,3,4-thiadiazin-5-yl]-2,3-dihydro-3,3-dimethyl-2-oxo-, 5-methyl-2-(1-methylethyl)cyclohexyl ester, [1R-[1α[S*(1R*,2S*,5R*)],2β,5α]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



REFERENCE COUNT: 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L16 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



L16 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1995:701861 CAPLUS
DOCUMENT NUMBER: 123:111848
TITLE: N-(aza heterocycle)carbonyl-substituted indolones useful as serotonergic agents
INVENTOR(S): Becker, Daniel P.; Flynn, Daniel L.; Villamil, Clara I.
PATENT ASSIGNEE(S): G. D. Searle and Co., USA
SOURCE: U.S., 15 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5399562	A	19950321	US 1994-191840	19940204
PRIORITY APPLN. INFO.:			US 1994-191840	19940204

OTHER SOURCE(S): MARPAT 123:111848
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

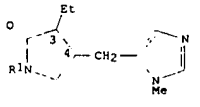
AB This invention relates to indolone compds. of the formula I or a pharmaceutically acceptable salt thereof wherein Z is selected from the group consisting of II-XI: R1 and R2 are independently H, halogen, alkyl, aralkyl, amino, alkoxy, alkylthio, acylamino, hydroxy, nitro, aminocarbonyl, or aminosulfonyl; R3 and R4 are independently H, C1-6 alkyl, or together comprise C2-5 cycloalkyl, optionally substituted by C1-6 alkyl; X = NR5 or O; n is 0, 1 or 2; and R5 is hydrogen or alkyl of one to six carbon atoms which are useful as 5-HT4 agonists or antagonists and 5-HT3 antagonists. Thus, e.g., reaction of endo-3-aminotropane with triphosgene and 1,3-dihydro-3,3-dimethyl-2H-indol-2-one, followed by workup and HCl treatment afforded indolone XII which displayed 5-HT4 agonism in rat TMM (tunica muscularis mucosae) in vitro assay of EC50 = 1214 nM; XII displayed 5-HT3 antagonism of Ki = 4.0 nM.
IT 165379-27-1P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(N-(aza heterocycle)carbonyl-substituted indolones useful as serotonergic agents)
RN 165379-27-1 CAPLUS
CN 1H-Indole-1-carboxylic acid, 2,3-dihydro-3,3-dimethyl-2-oxo-, 8-methyl-8-azabicyclo[3.2.1]oct-3-yl ester, endo- (9CI) (CA INDEX NAME)

Relative stereochemistry.

L16 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1991:632242 CAPLUS
DOCUMENT NUMBER: 115:232242
TITLE: Preparation of pilocarpine analogs as antiglaucoma agents
INVENTOR(S): Albaugh, Pamela
PATENT ASSIGNEE(S): Allergan, Inc., USA
SOURCE: Eur. Pat. Appl., 24 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

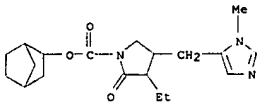
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 429232	A1	19910529	EP 1990-312351	19901113
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
US 5264449	A	19931123	US 1989-434929	19891113
CA 2027604	AA	19910514	CA 1990-2027604	19901015
ZA 9008386	A	19910828	ZA 1990-8386	19901019
IL 96088	A1	19950330	IL 1990-96088	19901023
AU 9066528	A1	19910516	AU 1990-66528	19901109
AU 631025	B2	19921112		
NO 9004901	A	19910514	NO 1990-4901	19901112
NO 177056	B	19950403		
NO 177056	C	19950712		
RU 2015978	C1	19940715	RU 1990-4831750	19901112
CN 1051730	A	19910529	CN 1990-109110	19901113
CN 1026589	B	19941116		
JP 03188075	A2	19910816	JP 1990-308428	19901113
HU 56360	A2	19910828	HU 1990-7116	19901113
HU 207512	B	19930428		
PRIORITY APPLN. INFO.:			US 1989-434929 A	19891113

OTHER SOURCE(S): MARPAT 115:232242
GI



AB The title compds. [(3R, 4R)-I; R1 = CO2R; R = (un)substituted hydrocarbyl]
were prepared Thus, 4-(Me3C)C6H4CH2OH was condensed with ClCO2C6H4(NO2)-4
and the product condensed with I (R1 = H) to give I [R1 = CH2C6H4(CMe3)-4]
which gave .apprx.1.25 mm decrease in rabbit pupil diameter 6 h after administration of a 1% solution An ophthalmic prepn comprising I is given.
IT 137140-89-7P

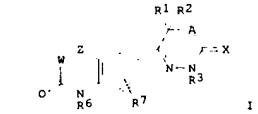
L16 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as antiglaucoma agent)
RN 137140-89-7 CAPLUS
CN 1-Pyrrolidinecarboxylic acid, 3-ethyl-4-[(1-methyl-1H-imidazol-5-yl)methyl]-2-oxo-, bicyclo[2.2.1]hept-2-yl ester (9CI) (CA INDEX NAME)



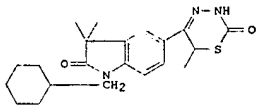
L16 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1991:62126 CAPLUS
DOCUMENT NUMBER: 114:62126
TITLE: Preparation of oxindolylthiadiazinones and related compounds as phosphodiesterase inhibitors
INVENTOR(S): Nadler, Guy; Martin, Michel; Zimmermann, Richard
PATENT ASSIGNEE(S): Laboratoires Beecham S. A., Fr.
SOURCE: Eur. Pat. Appl., 52 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 381374	A1	19900808	EP 1990-300778	19900125
R: CH, DE, FR, GB, IT, LI, NL				
JP 02288875	A2	19901128	JP 1990-15166	19900126
PRIORITY APPLN. INFO.:			GB 1989-1836 A	19890127

OTHER SOURCE(S): MARPAT 114:62126
GI



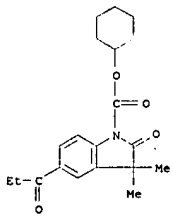
I



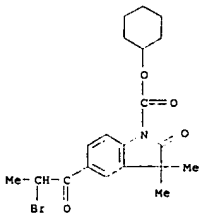
II

AB Title compds. I [R1 = H, C1-6 alkyl, CH2OR6, R6 = Ph-substituted aminocarbonyl, Ph-C1-6-alkyl, H, Bz, etc.; R2, R3 = H, C1-6 alkyl; W, Z = CR4R5, (CxCy)n; R4 = H, C1-3 alkyl, C1-3 alkylthio, etc.; R5 = C1-3 alkyl, (substituted) Ph, PhS, etc.; R4R5 = 3-6-numbered carbocyclyl or heterocyclyl, oxo, CH2; Rx, Ry = H, C1-3 alkyl; n = 0, 1; R7 = H, C1-6 alkyl, halo; X = O, S, A = S, O, NH] phosphodiesterase inhibitors useful for treatment of heart disease and asthma, are prepared 5-(2-Bromo-1-oxopropyl)-1-(cyclohexylmethyl)-1,3-dihydro-3,3-dimethyl-2H-indol-2-one (preparation given), MeCN, o-Me thiocarbonate and Et3N were refluxed 2 h to give the thiadiazinone II. Inhibition of cardiac phosphodiesterase was demonstrated with II at 3 + 10-5 M, resulting in a max ATPase activity of 11%.
IT 131609-30-8P 131609-31-9P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction of, in preparation of phosphodiesterase inhibitors)

L16 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
RN 131609-30-8 CAPLUS
CN 1H-Indole-1-carboxylic acid, 2,3-dihydro-3,3-dimethyl-2-oxo-5-(1-oxopropyl)-, cyclohexyl ester (9CI) (CA INDEX NAME)

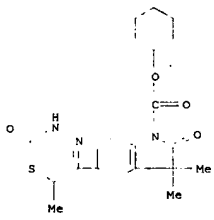


RN 131609-31-9 CAPLUS
CN 1H-Indole-1-carboxylic acid, 5-(2-bromo-1-oxopropyl)-2,3-dihydro-3,3-dimethyl-2-oxo-, cyclohexyl ester (9CI) (CA INDEX NAME)



IT 131609-56-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as phosphodiesterase inhibitor)
RN 131609-56-8 CAPLUS
CN 1H-Indole-1-carboxylic acid, 5-(3,6-dihydro-6-methyl-2-oxo-2H-1,3,4-thiadiazin-5-yl)-2,3-dihydro-3,3-dimethyl-2-oxo-, cyclohexyl ester (9CI) (CA INDEX NAME)

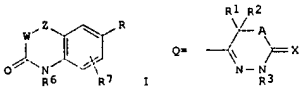
L16 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

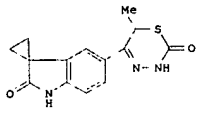


L16 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1989:497293 CAPLUS
DOCUMENT NUMBER: 111:97293
TITLE: Preparation of substituted thiadiazinylindolones or-quinolones useful in the treatment of heart or asthmatic diseases
INVENTOR(S): Martin, Michel; Nadler, Guy; Zimmermann, Richard
PATENT ASSIGNEE(S): Laboratoires Sobio S. A., Fr.
SOURCE: Eur. Pat. Appl., 59 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 303418	A2	19890215	EP 1988-307281	19880805
EP 303418	A3	19901107		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
DK 8804452	A	19890212	DK 1988-4452	19880809
AU 8820566	A1	19890216	AU 1988-20566	19880809
ZA 8805841	A	19890927	ZA 1988-5841	19880809
US 4933336	A	19900612	US 1988-230314	19880809
JP 01110681	A2	19890427	JP 1988-198136	19880810
PRIORITY APPLN. INFO.:			GB 1987-18957 A	19870811
			GB 1988-11276 A	19880512

OTHER SOURCE(S): MARPAT 111:97293
GI

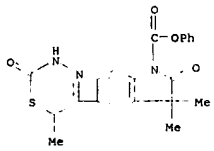

I


III

AB The title compds. [I; R = Q; R1 = H, lower alkyl, CH2OR6; R2, R3 = H, lower alkyl; W, Z = different CR4R5, (CR8R9)n; R4 = H, C1-3 alkyl, C1-3 alkylthio, C1-3 alkoxy; R5 = C1-3 alkyl, C1-3 alkylthio, C1-3 alkoxy; or CR4R5 = 3 to 6-membered carbocylic ring or heterocyclic ring containing 1 or 2 ring O, N, or S; or R4R5 = O, CH2; R6 = H, lower alkyl, alkylcarbonyl, hetero)arylcarbonyl, aralkylcarbonyl, (un)substituted CONH2, lower alkoxycarbonyl, aryloxycarbonyl; R7 = H, lower alkyl; R8, R9 = H, C1-3 alkyl; n = 0, 1; X = O, S; A = O, S] (II), were prepd. 5-[(2-Chloro-1-oxo)propyl]-spiro[cyclopropane-1,3'-[3H]-indol]-2'-(1'H)-one (prepn. given), MeOC(S)NHNH2, and MeCN were refluxed 6 h to give 49% thiadiazinylindolone (III). III at 0.03 mg/kg p.o. showed cardiotonic activity in male beagle dogs with first deriv. of left ventricular pressure (dP/dt, mmHg/s) = +105 and heart rate (beats/min) = +21.

IT 122280-93-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as cardiotonic and antiasthmatic)

RN 122280-93-7 CAPLUS
CN 1H-Indole-1-carboxylic acid, 5-(3,6-dihydro-6-methyl-2-oxo-2H-1,3,4-thiadiazin-5-yl)-2,3-dihydro-3,3-dimethyl-2-oxo-, phenyl ester (9CI) (CA INDEX NAME)



L16 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	66.89	752.01

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-9.75	-12.00

STN INTERNATIONAL LOGOFF AT 10:25:48 ON 21 JUL 2006